

Abstract

An insert for a cutting tool has a conical cutting tip, and axially behind the cutting tip is a mid-section. Behind the mid-section is a cylindrical base. Where the insert is for use on a tool of a milling machine, the base has a diameter of at least 0.800 inch so as to be considerably larger than the standard base of inserts currently in use on such machines. The enlarged base protects the tool body to which the insert is attached from washaway. The invention is useable in other industries employing rotary cutting tools. In other industries, the insert is made with an enlarged diameter base so as to protect the tool body behind the insert from erosion or washaway. Indentations in the outer circumference of the base improve the rotation of the tool and provide channels through which loosened particles of hard material are directed, thereby further reducing erosion of the tool body.